

FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

27 OCTOBER 1977

THE TOP OF THE PYRAMID OF UNIVERSITY GOVERNANCE: PAST AND PRESENT

Almost seventy years ago, when the University of Alberta was just beginning, it had two governing bodies: Convocation and the Senate. Convocation consisted of all interested residents of Alberta who had graduated from any University in "his Majesty's Dominions"; their purpose seems to have been to elect the Chancellor and five members of the Senate and to officiate at the presentation of degrees.

The Senate, on the other hand, was Board, General Faculties Council, and the present Senate wrapped into one, with a few other sweeping powers thrown in. The first Senate was made up of the Chancellor, who chaired the meetings; the University's President, Henry Marshall Tory; the Minister of Education, A.C. Rutherford, who also happened to be the Premier of the province; ten members appointed by the government; and five members elected by Convocation.

At the Senate's first meeting, on 30 March 1908, basic decisions were made that shaped the way the University would develop. The kind of questions that Senate tackled in the course of a few hours would astonish governors of the University today: when would the University begin to offer courses, what kind of courses leading to which degrees, who would teach them and what the salaries and qualifications of these professors would be, what would be the magnitude of that first year's budget, how should the Senate itself be organized, and how could bright Alberta students be encouraged to come to the University.

At that time, the University consisted of a President and 258 acres of brush on the riverbank just west of the City of Strathcona. The Senate decided that courses should indeed be offered, commencing in the autumn of 1908, and left the finding of space and hiring of staff to President Tory. The Senate agreed with Tory that the first disciplines in which the University should hire ought to be Classics, English, and Modern Languages.

A fundamental principle was established at that meeting that continues to this day: that "the very best men" available should be hired to teach at the University, with a Doctor of Philosophy degree or its equivalent. Although one staunch Albertan on the Senate



The Board of Governors holds its regular meeting on the first Friday of every month during Winter Session in 3-15 University Hall. University Hall, once the home of the Students' Union, now houses the offices of the senior administrators on campus.

argued that Albertans should be given priority, indeed that only Albertans should be hired, the rest of the Senate felt that the qualifications mattered far more than where a professor came from. A budget for the University's first year was set at \$25,000, and a salary range was agreed upon to encourage the best academics to come to the University: \$2,500 to \$3,000 per annum for Full Professors; \$1,800 to \$2,500 for Assistant Professors; and \$1,200 for Lecturers. There was no tenure in those early years: Assistant and full Professors were hired on five-year contracts, and Tory himself had a ten-year contract.

At that and subsequent meetings, the Senate organized itself into committees: executive, finance, building and grounds, and so forth. However, it soon became clear that far too much was being asked of the Senate, which dealt with everything from approving courses to clearing brush. The Executive Committee was asked at the second meeting of the Senate to prepare a proposal to redraft the University Act, dividing responsibilities for the business management and the academic policy of the University.

Six meetings later, the proposed redraft was approved, and Dr. Tory was charged with approaching the government with it. Meanwhile, the overtaxed Senate had proceeded as best it could. When the matter of a University building arose, the Senate had proceeded on the word of Premier Rutherford that funds would be made available; the Senate was not aware that such an expenditure had not been approved by the Legislative Assembly. One result was that, to secure a loan for the University, several members of the Senate had to commit themselves personally to repay it. Another result was that the new Premier, A.L. Sifton, was more than happy to accept a proposal to reorganize the University's governing structure.

That reorganization took effect with the University Act of 1910, whose main feature was to provide a Board of Governors responsible for the business management of the University and a Senate responsible for academic concerns. Perhaps it was appropriate that the Chairman of the University's first Board of Governors was a banker, Edwin Charles Pardee.

Under the 1910 University Act, the Board

became responsible for such matters as "the management of University finances, the appointment of University officers, the control and management of property, and the holding of all real property." The Senate became responsible for academic matters such as granting degrees, awarding scholarships, and ruling on affiliation with other institutions. Board and Senate responsibilities overlapped on the establishment of faculties, departments, chairs, and courses, although the Senate's proposal to establish any of these depended upon Board approval for any associated expenses. If a dispute arose between the two bodies on a related issue, it could be referred to the Lieutenant Governor in Council to be settled.

The Board of Governors Today

Today the Board of Governors differs little in function from the first Board. As stated in the Universities Act of 1966, it "has the management and control of the University and of [the University's] property, revenues, business, and affairs." The authority to establish faculties, departments, chairs, and programs still rests with the Board, on the recommendation of General Faculties Council (the successor to the old Senate as chief academic decision-making body) and with the approval of the Minister of Advanced Education and Manpower.

In addition to matters relating to University property and finance, the Board is the final arbiter on questions about the powers or jurisdiction of a University governing body or officer, provided that the question is not answered in the Universities Act. With General Faculties Council and the President, the Board also has "overriding control" of the

affairs of the Students' Union and the Graduate Students' Association.

It is the Board's responsibility to appoint and to dismiss the University's officers and staff, although with most faculties this duty is delegated to Deans and with most non-academic staff to the Personnel Office. The Board also determines salaries and prescribes the tenure of office or employment and the duties of the University officers or employees.

Because the Board of Governors is the "body ultimately responsible for decisions made on its behalf by individuals and groups within the University," it is willing to hear appeals from anyone who petitions it. The method of appeal to the Board is set out in the *Guide to the Organization, Policies, and Procedures of The University of Alberta*. The *Guide*, prepared in 1976 by the Secretary to the Governors, John Nicol, is an exhaustive catalogue of Board policy and, with the Universities Act of 1966, provides a detailed account of the powers and responsibilities of the Board.

Nine of the eleven members of the Board in 1910 were appointed directly by the government; the remaining two were President Tory and Chancellor Stuart. Other than the President, the Board had no representatives of University staff, much less students; in fact, under the 1910 Act members of the University's teaching staff were specifically excluded from the Board.

Today, seventeen persons serve on a much more representative Board of Governors. The University President and Chancellor are still *ex officio* members; the Chairman is appointed by the Lieutenant Governor in Council. Fourteen other members are appointed for three-year terms by the government, including two members nominated by the Alumni Association, one nominated from the University Senate, two academic staff members nominated by General Faculties Council, two members nominated by the Students' Union, and one member nominated from the Graduate Students' Association.

Because anything in the University that involves money or property involves the Board of Governors, the Board has a host of standing committees. To familiarize *Folio*'s readers with these committees and thus the breadth of the Board's responsibilities, the terms of reference and membership structure of the Board standing committees follow.

Over the next several weeks *Folio* will be introducing the Governors to the University community. The intention of this series is not only to foster an understanding of the Board and its work, but also to suggest the nature of individuals who give so much time and commitment to making the University a going concern.

Executive Committee

Membership:

The Chairman of the Board of Governors
The Vice-Chairman of the Board of Governors
The Chancellor
The President
The Chairman of the Academic Concerns Committee
The Chairman of the Building Committee
The Chairman of the Community Relations Committee

The Chairman of the Finance Committee

Responsibilities of the Executive Committee

The Executive Committee is responsible to the Board of Governors to:

- act as a consultative body to the Chairman of the Board between Board meetings
- plan, coordinate, prepare, and review matters going forward to the Board.

Delegation of Authority

A. The Board of Governors delegates to the Executive Committee the following powers and authority:

- to act with the full authority of the Board of Governors in situations which, in the opinion of the Executive Committee, require immediate action prior to the next regular or special meeting of the Board of Governors, and
- to act with the full authority of the Board of Governors for such periods and such purposes as by resolution the Board of Governors may permit.

B. The Executive Committee shall report to the next regular meeting of the Board of Governors decisions taken pursuant to authority delegate by the Governors to the Committee, except where, in the judgement of the Committee, with the approval of the Board of Governors, the best interests of the University would not be served by so reporting.

Academic Concerns Committee

Membership:

The Chairman and Vice-Chairman of the Board
The President
The Vice-President (Academic), non-voting
A non-voting resource person appointed by the Board

Those persons appointed by the Board of Governors on the recommendation of the Chairman

Responsibilities of the Academic Concerns Committee

- The Academic Concerns Committee is responsible to the Board of Governors for the review and recommendation of policies governing all matters having academic implications that are within the responsibility of the Board of Governors.
- Without restricting the generality of Section 1, the Academic Concerns Committee shall review and recommend appropriate action to the Board of Governors insofar as

FOLIO

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Jeanette Rothrock, *Editor*

FOLIO Advisory Committee:
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A.S. Knowler, *Business Manager (Chief Accountant, Office of the Comptroller)*

Staff: David Chester, Chris Simpson, Bryan Moon (*Writers*),
Sue Nash (*Design Editor*), Esther Fraser (*Production*)

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the Board of Governors has responsibility respecting:

- (a) the establishment, continuation, reorganization and abolition of:
- (1) departments, faculties, centres, institutes;
- (2) instructional, research, and services programs;
- (b) the appointment, promotion, replacement, and salaries of deans, directors, department chairmen, and the librarian;
- (c) appointments to Killam, University, and Tory professorships;
- (d) the academic schedule, registration, and student records;
- (e) student affairs, except respecting requests for financial assistance;
- (f) quotas and admissions for the University and for specific faculties.

Delegation of Authority

A. Notwithstanding anything to the contrary in "Responsibilities of the Committee," the Board of Governors delegates to the Academic Concerns Committee the following powers and authority:

1. Appointment of Administrators

To approve recommendations for the appointment of Department Chairmen and Directors of Centres and Institutes.

2. Increments and Promotions

To approve recommendations for increments and promotions to Deans and the Librarian.

3. Sub-Delegation

To appoint such subcommittees, and to delegate to such subcommittees or to the President such of its powers, duties, and functions, or any part thereof including the power of sub-delegation and subject to such conditions, as it deems necessary.

4. Procedures

To establish and review such procedures as the Committee deems necessary to ensure the effective implementation of and adherence to approved policies.

B. The Academic Concerns Committee shall report to the Governors decisions taken pursuant to authority delegated under A, except where, in the judgement of the committee, with the approval of the Board of Governors, the best interests of the University would not be served by so reporting.

Building Committee

Membership:

The Chairman and Vice-Chairman of the Board
The President

The Vice-President (Planning and Development), non-voting

Those persons appointed by the Board of Governors on the recommendation of the Chairman

Responsibilities of the Building Committee

1. The Building Committee is responsible to the Board of Governors for the review and recommendation of policies governing:

- (a) the acquisition, management, control, and disposition of University buildings, equipment and lands,
- (b) the control and regulation of pedestrian and vehicular traffic on the University lands.

2. Without restricting the generality of Section 1, the Building Committee shall review and recommend appropriate action to the Board of Governors respecting:

- (a) The physical and capital implications of proposed academic and administrative plans and policies,
- (b) Short and long range physical plans,
- (c) Annual and long term capital budgets,
- (d) Standards, systems, and procedures for physical planning, design, and construction,
- (e) Individual project proposals and costs,
- (f) Capital alterations, and
- (g) Security of University property.

3. The Building Committee shall, when considering proposals for capital construction or expenditure, apprise the Finance Committee of those proposals which would, if approved, affect the University's Operating Budget.

Delegation of Authority

A. Notwithstanding anything to the contrary above, the Board of Governors delegates to the Building Committee the following powers and authority:

1. Capital Budget

To monitor actual and projected final capital expenditures by project, to ensure that they do not exceed the capital cost approved by the Board of Governors.

2. Traffic Control

Within approved policies, to establish and review regulations governing pedestrian and vehicular traffic on University lands.

3. Award of Contracts

(a) To approve and award construction or supply contracts for which public tenders have been called, *provided that:*

- (i) The contract price is within the capital cost approved by the Board of Governors for the project, *and*
- (ii) The award is an acceptance of the lowest bid received, *and*
- (iii) The award is in accordance with the recommendations of the Vice-President (Planning and Development) and such other officers and committees as are given responsibility for the review of tenders by the Building Committee.

(b) To approve and award construction or supply contracts for which public tenders have not been called, *provided that:*

- (i) The contract price is within the capital cost approved by the Board of Governors for the project, *and*
- (ii) The procedures for the award of the contract have been approved by the Board of Governors, *and*
- (iii) The award of the contract is in accordance with the said procedures.

(c) To approve and award contracts for consulting services, except for the appointment of Prime Consultants, *provided that:*

- (i) the contract is within the capital cost approved by the Board of Governors for the project, *and*
- (ii) The award of the contract is in accordance with the recommendation of the Vice-President (Planning and Development).

4. Change Orders

To approve changes in the function, design, and construction of a project after the award of the construction contract, *provided that:*

- (a) the total cost of the amended contract does not exceed the cost approved by the Board of Governors for the project, *and*
- (b) the additional cost of all changes does not exceed 10 percent of the original contract price, *and*

(c) the net area affected by all changes does not exceed 10 percent of the net area of the building.

5. Utilization of Space

To approve policies governing the utilization of space.

6. Detailed Programs and Detailed Proposals

To approve Detailed Programs and Detailed Proposals for capital projects approved by the Board of Governors.

7. Sub-Delegation

To appoint such subcommittees, and to delegate to such subcommittees or to the President such of its powers, duties, and functions, or any part thereof including the power of sub-delegation and subject to such conditions, as it deems necessary.

8. Procedures

To establish and review such procedures as the Committee deems necessary to ensure the effective implementation of and adherence to approved policies.

B. The Building Committee shall report to the Governors decisions taken pursuant to authority delegated under A except where, in the judgement of the Committee with the approval of the Board of Governors, the best interests of the University would not be served by so reporting.

Community Relations Committee

Membership:

The Chairman and Vice-Chairman of the Board
The Chancellor

The President

A non-voting resource person appointed by the Board

Those persons appointed by the Board of Governors on the recommendation of the Chairman, including at least one representative of the Alumni of the University

Responsibilities of the Committee

The Community Relations Committee is responsible to the Board of Governors for

the review and recommendation of policies governing:

- (a) internal University communications and information,
- (b) external University relations, including:
 - (1) relations with elected federal, provincial, and municipal legislators,
 - (2) relations with other educational institutes,
 - (3) Alumni,
 - (4) Fund Development,
 - (5) Public Relations,
 - (6) University Publications,
 - (7) High School Liaison,
 - (8) provision of University speakers to public organizations,
 - (9) public information provided by Faculties, Departments, and Institutes of the University, and
 - (10) any other matter which the Committee may deem affiliated and connected herewith.
- (c) other University activities which the Committee deems connected with and influenced by the University's relations with others.

Finance Committee

Membership:

The Chairman and Vice-Chairman of the Board
The President
The Vice-President (Finance and Administration), non-voting
Those persons appointed by the Board of Governors on the recommendation of the Chairman, including at least one Board representative of the Trustees of the Academic Pension Plan.

Subcommittees:

Salary Negotiating Committee
Audit Committee

These subcommittees consist of at least two members of the Board of Governors and at least one University administrative officer.

Responsibilities of the Finance Committee

1. The Finance Committee is responsible to the Board of Governors for the review and recommendation of policies governing the financial and investment affairs of the University.
2. Without restricting the generality of Section 1, the Finance Committee shall review and recommend appropriate action to the Board of Governors respecting:
 - (a) the annual guidelines and procedures governing the preparation of the operating budget,
 - (b) preliminary and final operating budgets for the University, and future impact of capital budget proposals thereon,
 - (c) approval of the audited financial statements,
 - (d) tuition and other fees,
 - (e) changes to the approved operating budget,
 - (f) investment policies and proposals, investment advisors, and investment performance,
 - (g) approval of signing authorities respecting

all banking, safekeeping, and investment transactions, and the delegation thereof.

Delegation of Authority

A. Notwithstanding anything to the contrary above, the Board of Governors delegates to the Finance Committee the following powers and authority:

1. Budget Change Requests

To approve the transfer or reallocation of monies budgeted and approved by the Board of Governors, up to an individual amount of \$100,000.

2. Audit

Through the Audit Subcommittee, to approve policies and procedures in relation to the University's financial statements, and to consult with the University auditors with respect thereto.

3. Depreciation, Inventories

To establish and review policies with respect to matters relating to depreciation of University property, inventories maintained on hand, and matters of a similar nature.

4. Sub-Delegation

To appoint such subcommittees, and to delegate to such subcommittees or to the President, such of its powers, duties, and functions, or any part thereof including the power of sub-delegation and subject to such conditions, as it seems necessary.

5. Procedures

To establish and review such procedures as the committee deems necessary to ensure the effective implementation of and adherence to approved policies.

B. The Finance Committee shall report to the Governors decisions taken pursuant to authority delegated under A, except where, in the judgement of the Committee, with the approval of the Board of Governors, the best interests of the University would not be served by so reporting.

C. The Board of Governors delegates to the Chairman of the Board, the Chairman of the Finance Committee and the President authority collectively to establish guidelines respecting salaries and benefits, and to instruct the Salary Negotiating Committee thereon, prior to the commencement of negotiations with staff associations and other groups in receipt of remuneration from the University.

Canadians—individuals, married couples, and families—have availed themselves of the opportunity to contribute directly and usefully to the development of many nations with less material resources than our own country.

A CUSO worker, whether a science teacher in Papua, New Guinea, a medical practitioner in Sierra Leone, or a Primary Methods Instructor in northern Nigeria, is responsible to his or her overseas employer and, having undertaken a two-year tour of duty, is paid at approximately the same rate as a local worker in a similar job. The pay is always adequate for the maintenance of a reasonable standard of living. In addition, CUSO transports the worker to the host country, provides free life insurance, and arranges for full medical and dental cover. There may also be a small installation allowance and, on return to Canada, a modest re-settlement grant.

The prime requirements of CUSO workers are the desire to become committed and concerned about issues relevant to the host country's needs, to be able to make a significant contribution especially in the fields of technology, education, health, or business, and to be sufficiently motivated to combine practical application with training duties. Any Canadian citizen or landed immigrant fulfilling these requirements may apply to become a CUSO worker.

The University of Alberta CUSO Office continues to recruit such people and, in fact, places more workers in assignments than any other office in Canada. New graduates are recruited as are alumni, both from this University and others. The CUSO office in Athabasca Hall also recruits non-university people who are skilled in a wide variety of trades and professions. As a rule CUSO places its workers four times a year: November, January, March, and summer. In the fiscal year 1976-1977, the University of Alberta CUSO Office despatched twenty-five workers to their assignments. It now appears that more than thirty workers will be placed by this Office in the fiscal year 1977-1978.

The following list comprises University of Alberta graduates who have been placed in assignments during the current calendar year.

- Brian Asselstine, BSc (Food Science) 1973 and BEd 1976, is teaching science at a boys' secondary school in Papua New Guinea.
- Roger Walker, BSc (Computing Science) 1976, is currently teaching mathematics at a boys' secondary school in southern Nigeria.
- Simo Nurme, BEd (Social Studies) 1972 and a special student at this University in 1976, is now a secondary school teacher of English, in Papua, New Guinea.
- Albert Fehr, BEd (Social Studies) 1976 and the possessor of journeyman papers in

CUSO: ITS SIXTEENTH YEAR

In 1961 CUSO—the Canadian University Service Overseas—began its operations as an independent, volunteer agency that recruits and sends skilled people from varied walks of life to developing countries in order to help them train their inhabitants in the many skills needed in this modern technological world. Since 1961 several thousand

- heavy duty and automotive mechanics, is instructing in heavy duty mechanics in Papua, New Guinea.
- Tim Wright, BSc (Forestry) 1976, is employed as a Forestry Professor in Lima, Peru.
 - Linda Burrows, BEd 1972, is a Primary Methods Instructor in a teachers' college in northern Nigeria.
 - Ruth Campbell, BEd (Elementary Education) 1975, is also a Primary Methods Instructor in northern Nigeria.
 - Colleen deMoissac, BEd 1975, is now an English tutor at a teachers' college in northern Nigeria.
 - Norval Dunfee, BSc (Halifax), Education Diploma (Calgary), and special student at this University in 1976-1977, is instructing at a teacher's college in Papua, New Guinea.
 - Robert Fleming, BSc (Biochemistry) 1977, is now a science instructor at a secondary school in Ghana.
 - Teddy James, MD 1975, is on a four-month assignment as a medical doctor in Sierra Leone.
 - Natalie James, RN, University of Alberta School of Nursing, undertook a four-month summer assignment in Sierra Leone.
 - Diane Lepine, BEd 1977, teaches at a girls' secondary school in northern Nigeria.
 - Michael Part, BEd 1975, instruction in Primary Methods in a teachers' college in northern Nigeria.
 - Wayne Pelz, BSc (Civil Engineering) 1976, is presently a construction engineer in Papua, New Guinea.
 - Wendy Stringer, BSc (Zoology) 1977, teaches science at a secondary school in southern Nigeria.
 - Lillian Wynnyk, BEd 1975, is a mathematics and science lecturer at a teachers' college in Papua, New Guinea.
 - Marilyn Zuber, BEd (Science) 1977, teaches at a secondary school in southern Nigeria.
 - Ramona Sather, BEd, is teaching secondary school English in Nigeria and is accompanied by her husband who is employed as a farm manager.

CUSO Used Book and Record Sale

Once again CUSO is holding a used book and record sale this year on Wednesday and Thursday, 2 and 3 November, in the north-eastern corner of the Central Academic Building, from 9 a.m. to 4 p.m. each day. The University of Alberta CUSO Office would be most grateful for all donations. Thus, anyone who has books, records, or tapes which could be spared, but has no means of transporting them to the CUSO office in 240 Athabasca Hall, please telephone 432-3881 where arrangements will be made to pick them up. The proceeds from the Sale will be used to support CUSO projects.

MEETING OF THE GENERAL FACULTIES COUNCIL

A meeting of the GFC will be held on Monday, 31 October at 2 p.m. in the Council Chamber, University Hall.

Agenda

1. Approval of the Agenda.
2. Approval of the Minutes of 26 September 1977.
3. Question Period.

Reports

4. Executive Committee Report: Executive Committee Minutes of 3 October 1977.
5. Report of Board of Governors.
6. Report of the Nominating Committee.

Business Arising

7. Board of Governors Academic Concerns Committee: Terms of Reference.

New Business

8. Special Sessions Committee: Annual Reports on Spring Session 1977, Summer Session 1977, and Evening Credit Program (off Campus) 1976-77.
9. Council on Student Services: Proposal re Voting Membership.
10. Faculty of Rehabilitation Medicine: Proposed Change of Name of Baccalaureate Degree in Occupational Therapy.
11. Calendar Designation of Interdisciplinary Courses: Recommendation of the Advisory Council of Interdisciplinary Studies.
12. GFC Ad Hoc Committee to Study Selection and Review Procedures for Deans and Department Chairmen: Report.
13. Proposal for a Centre for Instructional Development.
14. Other business.

WESTWARD TO ALBERTA: HELGE MARCUS INGSTAD

"Hjalmar Dale came from the MacKenzie River, I from the forests farther south. We met in Edmonton.

Here is a city to which a man may come straight from the wilderness, an overgrowth of beard on his face, moccassins on his feet, the seat of his pants blazing with patches, and walk down the street without having a single soul turn around to stare at him.

In spite of its modern construction and its population of near thirty thousand, Edmonton is still a pioneer town. It dates back to the rough-and-ready days of the early furtraders and has written the chapter of Canadian history dealing with the opening up of the west; today it is the chronicler of a new episode, and perhaps the greatest of all: the conquest of the Far North.

Hither come the wild and restless souls who have found civilized society to tame for them and who have therefore come to seek

adventure in the wilderness. Here they all congregate: trappers from the Barren Lands and the great forests, gold-diggers from Alaska, river captains from the Yukon, cowboys from the prairies, men with furrowed faces and unflinching gaze. Their varieties are many, but their type is one. All express the same spirit of swashbuckling independence, the same unshakable feeling of self-confidence, found in men accustomed to doing for themselves.

To these fellows Edmonton is the "City." She it is who beckons to them as they struggle onward through blizzards behind their dog-trains, or, worn out and starving, tramp across barren wastes in quest of gold; she it is who shines in their camp-fire dreams in the depths of the sighing wilderness. It is she, their Mecca, who, with a gesture, will find for them again all which they have lost. In her arms a mighty celebration will be theirs—and a speedy farewell."

Thus begins Helge Marcus Ingstad's description of life in northern Canada during the early 1920s, *The Land of Feast and Famine. The Life of a Fur Trapper in Canada* (London: Victor Gollancz, 1933). Dr. Ingstad was born in 1899 and, after practicing in law from 1922 to 1925, left his native Norway to become a fur trapper to the northeast of the Great Slave Lake in Arctic Canada from 1926 to 1930.

From 1932 to 1935 Dr. Ingstad served consecutive terms as the Norwegian Governor of North East Greenland and of Spitsbergen and, since 1936, has been involved in several exciting anthropological forays; for example, an expedition into the Sierra Madre mountains of Mexico in search of a tribe of primitive Apache Indians.

Helge Ingstad, the author of some eleven books of great interest, is, perhaps, best known to Canadians for his researches into the early settlement of North America. In 1960, he and his wife, the archaeologist Anne Stine Ingstand, discovered a settlement at L'Anse aux Meadows at the northern tip of Newfoundland. During the several seasons of archaeological investigation of this site conducted between 1960 and 1968, it became apparent that what probably had been discovered was actually a Pre-Columbian Norse settlement established at some time before AD 1200. Thus, for the first time, there was some archaeological corroboration for the popular conception that Norsemen were the first Europeans to visit this continent, which has been identified by many as the Vinland of the sagas and the object of Lief Eriksson's epic voyage. Few scholars today doubt the possibility that the site at L'Anse aux Meadows in Newfoundland represents a settlement by Norsemen who travelled from Greenland.

Dr. Ingstad has been the recipient of many prestigious awards including honorary Doctor of Science degrees from Memorial University, Newfoundland, and McGill University, Montreal. In 1970 he was installed as Commander of the Royal Order of St. Olav, Norway. At the Fall Convocation on 4 November, the University of Calgary will award Dr. Ingstad the degree of Doctor of Science.

Dr. Ingstad is visiting Alberta at the invitation of the Arctic Institute of North America. On 31 October he will arrive in Edmonton to deliver a lecture at this University on the topic "Norsemen in Canada five hundred years before Columbus." The lecture will be delivered in TL-2 Tory Building at 2 p.m.

ALBERTA FILM FESTIVAL

Alberta's fourth annual Film Festival will be held from 16 to 18 November. Entries must be works by Alberta producers which have been exhibited for the first time since 31 August 1976. Entries cannot be accepted after 6 November, and they should be shipped prepaid, ready for viewing, and in returnable containers.

There is a fee of ten dollars per entry for members and associate members of the Alberta Motion Picture Industries Association, and persons or firms who are not members of the AMPIA will be asked to pay a fee of \$25 per film entered in the festival.

Co-chairmen of this year's Festival are AMPIA President Bill Marsdon and Past President Nick Zubko. The jury is chaired by AMPIA Director Harold Tichenor. The Association reserves the right to televise clips of entries, to show the productions (or portions thereof) during awards presentations, and to provide free screenings across the province.

Each film will automatically be considered for the Best Overall Film Award. In addition, there will be nine categories and eight craft areas in which awards may be presented. The nine categories are as follows: Feature (over one hour); Documentary; Industrial; Educational and Instructional; Nature and Wildlife; Variety Entertainment; Short Commercials; Experimental; and Animation. The craft areas will include directing, cinematography, script, editing, sound, music, acting, and narrating.

Both film and videotape entries will be accepted, although in some cases the criteria for judging videotape entries will be somewhat different from those used for judging film entries. For further information regarding the Film Festival contact the AMPIA, telephone 424-4692.

VISITORS

■ Marie Burgess, Course Supervisor, Wellington Polytechnic School of Nursing, Wellington, New Zealand, visited the Faculty of Nursing during October. Her main concerns while on a three-month study tour of Canada include basic community health nursing education which aims to prepare registered nurses capable of working in this area immediately after graduation, as well as the growing pressures by students on community health agencies.

BOOKS

■ Gwynn Nettler's textbook, *Explaining Crime*, has been published in a second edition by the McGraw-Hill Book Company. Dr. Nettler is Professor of Sociology.

PEOPLE

■ L.C. Green, University Professor, addressed the 1977 conference of the ATA Intercultural Education Council on "The nature of Euro-Canadian culture."
■ Bruce Bain, Associate Professor of Educational Psychology, participated on a panel concerning "The balance effect in early childhood second language acquisition" at the recent conference of the Canadian Association of Immersion Teachers, held in Ottawa.
■ Claude Meillassoux, Maître de Recherche au Centre National de la Recherche Scientifique (Paris), conducted two seminars in the Department of Anthropology. His first dealt with "Modes of exploitation" and the second with his recent book, *Femmes, Greniers et Capitaux*. Dr. Meillassoux, a leading French anthropologist, has contributed to the literature on African urbanization and economic development, and on precapitalist modes of production. His work on the economic anthropology of the Gouro (Ivory Coast) has influenced the direction of Marxist analyses of anthropological materials. His most recent work has been on the nature of peasant social organization, African slavery, and the role of the domestic mode of production in the development of capitalism. His participation was the first in a series of Anthropology Colloquia to be held this year.

NOTICES

INDO-CANADIAN SOCIETY

The Indo-Canadian Society has announced that the evening of light classical music by Chanderkant Kapileshwari originally

scheduled for 28 October at 8 p.m. has been changed to 4 November at 8 p.m. Mr. Kapileshwari's recitation will take place in 14-14 Tory Building.

NURSING RESEARCH CLEARINGHOUSE

The Faculty of Nursing has now established a Canadian Clearinghouse for Ongoing Research in Nursing. This new facility will permit any researcher who has access to the University computer facilities to conduct an on-line search of research in progress by author, sponsoring institution, or title (free-text searching). The Clearinghouse is based on a similar system previously developed for Library Science dissertations by Charles H. Davis, Dean of the Faculty of Library Science.

LIBRARIES CLOSED

The Library system will be closed on Remembrance Day with the exception of the Law Library which will have limited service.

STUDENT AND TEACHER EXCHANGE WITH WEST GERMANY

A delegation of six government and educational officials from West Germany met with senior staff of the Faculty of Education on 6 October to explore the possibility of setting up student and teacher exchanges. The meeting was hosted by Alberta Education.

WUSC CARAVAN

The World University Service of Canada will hold its annual exhibition and sale of art and handicrafts from developing areas around the world on 4 and 5 November from 9 a.m. to 10:30 p.m. Receipts from the sales are sent to WUSC-sponsored self-help projects in Third World countries. Items are purchased directly from small producers by the WUSC, and this helps in creating markets for Third World artists and artisans. The sale will take place in 142 Students' Union Building.

EDUCATION CURRICULUM SEMINARS

The Faculty of Education is organizing a series of Curriculum Seminars for the 1977-78 academic year. Four outstanding scholars are being invited to campus. Each will address the graduate students in curriculum studies and deliver an open lecture to interested students, faculty, and other educators. While on campus each visitor will conduct at least two small group seminars with students and faculty especially interested in the aspect of curriculum studies with which the visitor is associated.

The following scholars have accepted invitations to participate in the series: Michael Fullan, Ontario Institute for the Studies of Education; Joseph Schwab, University of California; Michael Apple, University of Wisconsin; and Barry Macdonald, University of East Anglia. Each of these visitors will be on campus for three days.

The University extends an invitation to colleagues in other universities and in the field to participate in the series. Max van Manen is coordinating the Seminars.

GENERAL FACULTIES COUNCIL COMMITTEE VACANCIES

Selection Committee for Chairman of the Department of Mechanical Engineering.

The GFC Nominating Committee is seeking nominations for one person to be elected by GFC to serve on the Selection Committee for a Chairman of the Department of Mechanical Engineering.

Selection Committee for Chairman of the Department of Chemical Engineering.

The GFC Nominating Committee is seeking nominations for one person to be elected by GFC to serve on the Selection Committee for Chairman of the Department of Chemical Engineering.

Regulations governing the composition of selection committees for chairmen require that one member, not a member of the department concerned, be elected by GFC. Persons who have nominations or who are interested in serving on the above committees are requested to contact the Secretary of the Nominating Committee, 2-1 University Hall, telephone 432-4715.

MEETING OF HANDICAPPED ON CAMPUS

The Office of Student Affairs will sponsor a meeting for all users of University facilities who are handicapped, on Wednesday, 2 November, at 7:30 p.m. in 140 Students' Union Building. Reserved parking for those in wheel chairs is available in Lot S, directly north of the Students' Union Building. Enter the parking lot at 91 Avenue and 116 Street. The purpose of the meeting is to determine the needs of the handicapped on campus. For further information contact the Office of Student Affairs, telephone 432-4145.

THIS WEEK AND NEXT

Listings must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is preferred.

27 OCTOBER, THURSDAY

Cinematheque 16

7:30 p.m. *Who's That Knocking At My Door?* (United States, 1968). Directed by Martin Scorsese and starring Zina Bethune and Harvey Keitel. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Student Cinema

7 p.m. and 9:30 p.m. *Black Sunday* (United States, 1977). Directed by John Frankenheimer

and starring Robert Shaw and Marthe Keller. Students' Union Theatre. Admission is \$1.50 advance and \$2 at the door. Tickets available at the HUB Box Office.

28 OCTOBER, FRIDAY

Faculty Club

Downstairs. Konigsberger klops, hot noodles, sweet and sour red cabbage, whole tiny carrots, rye rolls, apple strudel, \$5.50.

Upstairs. Lobster, \$12.50. Also regular dinner menu. Reservations required. Entertainment: Gates of Dawn.

Student Cinema

7 p.m. and 9:30 p.m. *Black Sunday* (United States, 1977). Directed by John Frankenheimer and starring Marthe Keller and Robert Shaw. Students' Union Theatre. Admission is \$1.50 advance and \$2 at the door. Tickets available at the HUB Box Office.

John Janzen Nature Centre

7:30 p.m. and 9:30 p.m. "Sockeye of the Adams River and Shuswap Lakes Regions of B.C." and "The Monument of Arches in Utah." Two programs by Bruce Campbell. John Janzen Nature Centre. Admission is \$1.50 regular and 75 cents for children. Tickets at the door.

Cinematheque 16

7:30 p.m. *Fellini's Satyricon* (Italy, 1969). Directed by Federico Fellini and starring Martin Potter and Hiram Keller. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Edmonton Recorder Society

8 p.m. The Society presents a performance evening and group playing session. South West Cultural Centre. For further information telephone 467-1402.

29 OCTOBER, SATURDAY

Stage On Screen

4:30 p.m. and 8 p.m. *Rhinoceros*. Provincial Museum. Admission is free.

Faculty Club

Downstairs. From the grill: steak sandwiches, hamburgers, french fries, hot beef dips, salad bar.

Upstairs. Lobster, \$12.50. Also regular dinner menu. Reservations required.

University Concert Hall

6:45 p.m. "The Compositions of Violet Archer," music and conversation with Violet Archer. CKUA-AM (580 KHZ) and CKUA-FM (94.9 MHZ).

Student Cinema

8 p.m. *Creature of the Black Lagoon* (United States, 1954). Directed by Jack Arnold and starring Richard Carlson and Julie Adams.

The Black Cat

(United States, 1934). Directed by Edgar G. Ulmer and starring Boris Karloff and Bela Lugosi. Students' Union Theatre. Admission is \$2 advance and at the door. Tickets available at the HUB Box Office.

30 OCTOBER, SUNDAY

Cinematheque 16

2 p.m. *Night of the Living Dead* (United States, 1968). Directed by George A. Romero and starring Duane Jones and Judith O'Dea. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Espace Tournesol

2 p.m. "Poetry and Music." Performed by Vincent Vates. Espace Tournesol, 11845 77 Street. Admission is \$1.50.

Silent Horror Classics

4 p.m. and 7 p.m. *The Cat and the Canary*. Directed by Paul Leni. Provincial Museum. Admission is free.

Student Cinema

7 p.m. and 9:30 p.m. *W.C. Fields and Me* (United States, 1976). Directed by Arthur Hiller and starring Valerie Perrine and Rod Steiger. Students' Union Theatre. Admission is \$1.50 advance and \$2 at the door. Tickets available at the HUB Box Office.

National Film Theatre

7 p.m. *A Streetcar Named Desire* (United States, 1951). Academy Award Winners and Losers Series. Starring Vivien Leigh and Marlon Brando. Zeidler Hall, Citadel Theatre. Admission is \$3 regular and \$2.50 for students and senior citizens. Series tickets available at the HUB Box Office.

31 OCTOBER, MONDAY

Edmonton Film Society

8 p.m. *Company LTD.* (India, 1973). International Series. Students' Union Building. Series tickets available at Woodwards, the HUB Box Office, and at the door.

National Ballet

8:30 p.m. *Coppelia*. Performed by the National Ballet of Canada. Jubilee Auditorium. Tickets available from the Bay Box Office, telephone 424-1214.

1 NOVEMBER, TUESDAY

Civilisation Series (6)

12:30 p.m. *Reformation*. L-3 Humanities Centre.

National Ballet

1:30 p.m. and 8:30 p.m. *Coppelia*. Performed by the National Ballet of Canada. Jubilee Auditorium. Tickets available from the Bay Box Office, telephone 424-1214.

National Film Theatre

8 p.m. *An American In Paris* (United States, 1951). Academy Award Winners and Losers Series. Starring Gene Kelly and Leslie Caron. Centennial Library Theatre. Admission is \$2 regular and \$1.50 for students and senior citizens. Series tickets available at the HUB Box Office.

2 NOVEMBER, WEDNESDAY**Civilisation Series (6)**

12 noon. *Reformation*. L-3 Humanities Centre.

Edmonton Film Society

8 p.m. *Le Corbeau* (France, 1943). French Series, TL-11 Tory Building. Series tickets available at Woodwards, the HUB Box Office, and at the door.

Edmonton Chamber Music Society

8:30 p.m. "La Fontaine Amoureuse," an evening devoted to the music and poetry of Guillaume de Machaut to commemorate the six hundredth anniversary of his death, performed by the ensemble "Music For A While." Students' Union Theatre. Admission by season ticket only. Tickets available at the HUB Box Office and at the door.

3 NOVEMBER, THURSDAY**German Film**

7:30 p.m. *Die Sachverständigen*. 17 Arts Building. Admission is free.

Cinematheque 16

7:30 p.m. *The General* (United States, 1926). Directed by Buster Keaton and Clyde Bruckman and starring Buster Keaton and Marian Mack. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

Student Cinema

7 p.m. and 9:30 p.m. *Murder By Death* (United States, 1976). Directed by Robert Moore and starring David Niven and Truman Capote. Students' Union Theatre. Admission is \$1.50 advance and \$2 at the door.

4 NOVEMBER, FRIDAY**WUSC Caravan**

9 a.m. to 10:30 p.m. An exhibition and sale of art and handicrafts from developing areas around the world. 142 Students' Union Building. Admission is free.

Faculty Club

Downstairs. Friday special: prime rib of beef, roast potatoes, vegetables, salad bar, apple pie, \$5.50.

Upstairs. Lobster, \$12.50. Also regular dinner menu. Reservations required. Entertainment: Lady and the Fox.

Cinematheque 16

7:30 p.m. *Fellini's Roma* (Italy, 1972). Directed by Federico Fellini and starring Peter Gonzales and Britta Barnes. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

John Janzen Nature Centre

7:30 p.m. and 9 p.m. "B.C.'s Wells Grey Wilderness Park—ten years ago and today." An informal talk and slide program by Isabell and Earl Hill. John Janzen Nature Centre. Admission is \$1.50 regular and 75 cents for children. Tickets at the door.

Indo-Canadian Society

8 p.m. The Indo-Canadian Society presents an evening of light classical music of India recited by Mr. Chanderkant Kapileshwari. 14-14 Tory Building. Admission is free.

Liona Boyd Concert

8:30 p.m. Liona Boyd, classical guitarist. Students' Union Theatre. Admission is \$5.50. Tickets available at the HUB Box Office, Mike's Ticket Office, all Woodwards stores, and at the door.

5 NOVEMBER, SATURDAY**WUSC Caravan**

9 a.m. to 10:30 p.m. An exhibition and sale of art and handicrafts from developing areas around the world. 142 Students' Union Building. Admission is free.

Art Fair

11 a.m. to 4 p.m. A sale of art at the Edmonton Art Gallery.

University Concert Hall

6:45 p.m. A piano recital by Helmut Brauss. CKUA-AM (580 KHZ) and CKUA-FM (94.9 MHZ).

Faculty Club

Downstairs. Saturday special: beef stroganoff, noodles, salad bar, pumpkin pie, \$5.50. *Upstairs*. Lobster, \$12.50. Also regular dinner menu. Reservations required.

Liona Boyd Concert

8:30 p.m. Liona Boyd, classical guitarist. Students' Union Theatre. Admission is \$5.50. Tickets available at the HUB Box Office, Mike's Ticket Office, all Woodwards stores, and at the door.

EXHIBITIONS AND PLAYS**Edmonton Art Gallery**

To 30 October. "The John Henry Hinton photographs: China 1894-1918," a photographic overview of China at the turn of the century.

To 30 October. "The Fauve Heritage," an exhibition examining twentieth century art influenced by "Fauve" attitudes toward color.

To 30 October. "Stanley Boxer," a one-man exhibition of paintings by a contemporary American artist.

27 October to 1 November. "Collectors Choice," an exhibition of work by local artists.

Athabasca Hall

To 4 November. To mark the reopening of Athabasca Hall the University presents a major exhibition of its collections.

Students' Union Art Gallery

To 4 November. "Art and Artifacts of Native Peoples," an exhibition providing an ethnographic overview of native works.

University Art Gallery and Museum

To 4 November. "Contemporary Works" and "W.J. Phillips," exhibitions of purchased and donated art works.

Citadel Theatre

Continuing. Samuel Beckett's *Happy Days*. Directed by Sir Peter Hall and starring Dame Peggy Ashcroft and John Neville. Shoctor Theatre. For ticket information and show times contact the Citadel Theatre Box Office, telephone 425-1820.

From 31 October. Jean Anouilh's *Antigone*. Directed by John Neville. Rice Theatre. For ticket information and show times contact the Citadel Theatre Box Office, telephone 425-1820.

Provincial Museum

Continuing. "Conservation of historic buildings in Britain," an exhibit of photographs and panels explaining the importance, conservation techniques, use, and public concern of the many historic buildings in Britain.

Continuing. "Royal Visits to Alberta," an exhibition documenting royal tours of Alberta.

Stage 78

To 29 October. Anton Chekhov's *Uncle Vanya*. Directed by Michael Murdock, and performed by the graduating class of the Professional Acting Program and Bill Meilen and Jacqueline Ogg, faculty members. Corbett Hall. For ticket information and show times contact the Studio Theatre Box Office, telephone 432-2495.

Northern Light Theatre

From 27 October. The Edmonton Actors' Workshop presents David Mamet's *Sexual Perversity in Chicago*. Directed by Martin Fishman and starring Brian Atkins, Hamish Boyd, Pamela Boyd, and Heather Lee MacCallum. Performances are at noon-hour on the weekdays and Saturday and Sunday evenings at 7:30 p.m. Edmonton Art Gallery Theatre. For ticket information and show times contact the Northern Light Theatre Box Office, telephone 429-3110.

Theatre Francais d'Edmonton

Continuing. Eugene Ionesco's *Les Chaises*. Collège Universitaire St-Jean. For ticket

information and show times telephone 469-0829.

Theatre 3

From 3 November. Shelagh Delaney's *A Taste of Honey.* Directed by Howard Dallin. For ticket information and show times contact the Theatre 3 Box Office, telephone 426-6870.

LECTURES AND SEMINARS

28 October, Friday

Eternal Values and Changing Fashions
12 noon. "Value of proper work and leisure," with speaker Alexander Matejko. Centennial Library.

29 October, Saturday

Chinese Graduates' Association Lecture
2 p.m. "The fall of Gang of Four," with speaker Dr. Evans. TB-45 Tory Building.

31 October, Monday

Public Lecture
2 p.m. "Norsemen in Canada five hundred years before Columbus," with speaker Helge Ingstad. TL-2 Tory Building.

Seminar on Technology

8 p.m. "The price system of social operation—its limits," presented by Technocracy Incorporated. 92 Avenue Lounge, HUB.

1 November, Tuesday

East European Studies Seminar
3:30 p.m. "The Czechoslovakia 'Charter 77' and its aftermath," with speaker I. Moravcik. 311 Athabasca Hall.

Physics Colloquium

3:30 p.m. "Auroral folklore and science in Finland," with speaker R. Pelliinen of the Finnish Meteorological Institute. V-120 Physics Building.

2 November, Wednesday

Botany Seminar
4:30 p.m. "Root systems of *Psaronius*—a Paleozoic tree fern," with speaker Dave Ehret. M-229 Biological Sciences Building.

Amnesty International

8 p.m. Membership drive meeting. 129 Education South.

3 November, Thursday

Ukrainian Studies Seminar
12:30 p.m. "Ivan Dziuba—From Internationalism or Russification to Facets of a Crystal," with speaker Michael Savaryn. 311 Athabasca Hall.

Biology Seminar

4 p.m. "Chemical mechanisms in the brain underlying life-sustaining control processes," with speaker Robert D. Myers of Purdue University, Indiana. CW-410 Biological Sciences Centre.

Technocracy Lecture

8 p.m. A public lecture by Arvid Peterson of Seattle, authorized speaker for Technocracy Incorporated. Students' Union Building.

Royal Canadian Geographical Society

8 p.m. "Arctic oil and gas exploration: the environmental effects," with speaker Hugh M. French, University of Ottawa. TL-1 Tory Building.

4 November, Friday

Eternal Values and Changing Fashions

12 noon. "Value of citizenship," with speaker F. Engelmann. Centennial Library.

NON-CREDIT COURSES

The courses listed below are offered under the auspices of the Faculty of Extension. Registrations may be made and information concerning the instructors and contents of the courses may be acquired at 228 Corbett Hall or by telephoning the number at the end of each listing.

UNDERGROUND THICK COAL SEAM MINING

The basic principles affecting the design of underground coal mines will be the subject of a two-day seminar to be held on 7 and 8 November. The seminar is the third in a series aimed at members of the coal mining industry, and will include such topics as pillar mining systems, longwall mining systems, and other methods such as slicing and caving, shield mining, and hydraulic mining. *Registration deadline:* 4 November. *Fee:* \$75. *Telephone:* 432-3037, 432-5038.

FINANCE FOR NON-FINANCIAL EXECUTIVES

A three-day seminar for business executives who wish to gain an understanding of the fundamentals of financial management will be held from 7 to 9 November. Many aspects of financial accounting will be discussed. *Fee:* \$195, including luncheons and materials. *Telephone:* 432-5066, 432-5067.

MANAGEMENT FOR ENGINEERS

A seminar will be conducted from 2 to 4 November which has been designed to aid engineers who wish to increase their knowledge of management theory and practice. It will be especially useful to those persons who are already acting in a managerial or supervisory capacity and to engineers who are preparing themselves for such roles. *Fee:* \$125, including luncheons, materials, and dinners. *Telephone:* 432-3037, 432-5038.

CANADIAN TRANSPORTATION POLICY ISSUES

A two-day seminar to be held on 24 and 25 November will deal with Canadian transportation policy issues. Managers at all levels and particularly those involved with the problems of transportation will find this seminar beneficial. *Fee:* \$120, including luncheons and materials. *Telephone:* 432-5066, 432-5067.

MANAGEMENT BY OBJECTIVES

From 14 to 16 November a seminar will be held to discuss Management by Objectives as a system of management. Among the topics to be discussed are management styles, theories of management behavior, defining the manager's job and applying the concept of MBO to participants' individual jobs, and analysis of the practical applications of the principles of MBO. *Fee:* \$150, including luncheons and materials. *Telephone:* 432-5066, 432-5067.

WOMEN IN MANAGEMENT

A one-day seminar on Women in Management will be held on 19 November in cooperation with the Edmonton Area Home Economics Association. The seminar will be of interest to home economists, to dietitians, to nurses, and to other women in managerial positions. *Registration deadline:* 9 November. *Fee:* \$25. *Telephone:* 432-5532.

EFFECTIVE EMPLOYEE COMMUNICATIONS AND WORK DIRECTION

Effective communications among people who work together will be the subject of an intensive one-day seminar on 21 November. Some of the topics to be dealt with are communications barriers, distortion through personal bias, and psychological factors of communication. *Fee:* \$65, including luncheons and materials. *Telephone:* 432-5066, 432-5067.

SCHOLARSHIPS, FELLOWSHIPS, AND AWARDS

A special area in 252 Athabasca Hall has been set aside as an information centre on graduate scholarship competitions for study in Canada and abroad. Students may use this reference section during normal office hours.

Imperial Order of the Daughters of the Empire (IODE) Post-graduate Scholarships

Donor: IODE. **Where tenable:** At universities in the Commonwealth and in Canada. **Level of study:** Post-graduate. **Field of study:** Any subject vital to the interests of the Commonwealth. **Value:** \$5,000. **Number:** Twelve. **Duration:** One year, renewals possible at reduced value. **Conditions:** Candidates may be men or women who are Canadian citizens, who have passed their twentieth birthday but not their thirtieth, and who possess a first degree from a recognized university and have embarked upon or are currently engaged in post-graduate work. For further details check with the Student Awards Office. **Closing date:** 15 December 1977. **Further information and application forms should be requested from:** Mrs. W.H. Sales, IODE Scholarship Secretary, 10736 52 Street, Edmonton, Alberta T6A 2H3, or the Student Awards Office, 252 Athabasca Hall.

The University of Tasmania, Australia

The University of Tasmania, Australia, invites applications for graduate study in the following fields: Agriculture, arts, economics and commerce, education engineering, law, medicine, and science. Applications are considered at any time of the year. **Further information and application forms should be requested from:** The Registrar, University of Tasmania, GPO Box 252C, Hobart, Tasmania 7001, Australia.

Nuffield Foundation Travel Grants

Donor: Nuffield Foundation. **Where tenable:** United Kingdom. **Level of study:** Post-doctoral. **Field of study:** Advanced research in natural science, medical sciences, humanities, and social sciences. **Value:** Return economy air fare for grantee and spouse, also to assist with living expenses while in the United Kingdom, £100 per month, with spouse £125 (£1 = \$1.97). **Number:** Up to ten. **Duration:** Not less than three months, not more than six months.

Conditions: Applicants must have resided in Canada for a minimum of four years, must be over thirty-five years of age, hold a PhD and have had teaching experience. Candidates must not hold any other award. **Closing date:** 31 January 1978. (Adjudication will take place on 21 April 1978). **Further information and application forms should be requested from:** Mr. D.D. Yonge, Fellowships Adviser, Nuffield Foundation, Nuffield Lodge, Regent's Park, London, England.

Department of National Defence Post-Doctoral Fellowship in Military History

Donor: Association of Universities and Colleges of Canada. **Where tenable:** Canada, permission may be granted for research outside of Canada. **Level of study:** Post-graduate. **Field of study:** History with special relevance to the Canadian Armed Forces. **Value:** \$10,500 annually; research expenses up to \$1,500 may also be considered. **Number:** No more than two each year. **Duration:** One year. **Conditions:** Canadian citizen. Hold a PhD degree or possess an equivalent knowledge in the field of study. **Closing date:** 1 March 1978. **Further information and application forms should be requested from:** The Awards Officer, National Programs Division, AUCC, 151 Slater Street, Ottawa, Ontario K1P 5N1.

Department of National Defence Scholarship and Fellowship Program

Donor: Association of Universities and Colleges of Canada. **Where tenable:** Canada, but with special permission outside of Canada. **Level of study:** Post-graduate. **Field of study:** Strategic studies of special relevance to current and future Canadian security. Studies may relate to any of the economic, political, military, technological, or sociological dimensions of national security. **Value:** \$10,000 for Fellowships, \$6,000 for Scholarships. **Number:** One Fellowship, four Scholarships. **Duration:** One year (renewable). **Conditions:** Candidates for a Fellowship must hold a PhD degree or possess an equivalent level of knowledge in the field of study. Candidates for a Scholarship must hold an Honors Bachelor's degree. Candidates must be Canadian citizens. **Closing date:** 1 March 1978. **Further information and application forms should be requested from:** The Awards Officer, National Programs Division, AUCC, 151 Slater Street, Ottawa, Ontario K1P 5N1.

Environmental Conservation Fellowships 1978-79

Donor: The National Wildlife Federation. **Where tenable:** Open. **Level of study:** Master's, doctoral, or law degree program. **Field of study:** Conservation studies and research. **Value:** Up to \$4,000. **Number:** Variable. **Duration:** One year. **Conditions:** U.S. or Canadian citizen. **Closing date:** 31 December 1977. **Further information and application forms should be requested from:** The Student Awards Office, 252 Athabasca Hall.

* For application forms and further details of all the scholarships listed below, please write to: The Director, International Programs, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1. Except where specified, the following conditions apply to all the scholarships listed: (1) All study will be at the graduate level. (2) Candidates should be Canadian citizens. (3) A first degree from a Canadian university, or its equivalent, is required. (4) Candidates should be thirty-five years of

age or under. (5) There are no restrictions on the fields of study. (6) The scholarships are tenable in the foreign country mentioned in the name of the award. (7) The closing date for all applications is 30 November 1977. (8) Competition is open to both men and women.

Cultural Agreement France-Canada University Scholarships

Field of study: All fields; particularly those related to the study of the French language. **Value:** 1,000 francs per month for Doctoral candidates; 700 francs per month for Masters' level; 1,000 francs per month for French teachers (1 French franc = \$0.23). **Number:** Unspecified. **Duration:** Up to two years for Master's degree; up to three years for PhD thesis. **Conditions:** Landed immigrants of at least one year's residence are eligible. An excellent knowledge of French is required. Candidates must hold an Honors Bachelor's degree. Applicants in the fine arts, music, and architecture must submit additional information—see notice at Student Awards Office.

Danish Government Scholarships 1978-79

Level of study: (a) Post-graduate study; (b) Research. **Value:** Free tuition; living allowance sufficient for the maintenance of one person, (a) 2,131.60 Kroner per month, (b) 2,525.00 Kroner per month (1 Danish Kroner = \$0.18); return air fare. **Number:** Two—total of categories (a) and (b). **Duration:** Eight months beginning 1 September 1978 (1 October 1978 for the Royal Academy of Fine Arts). **Conditions:** Candidates for category (b) must possess a Master's degree; candidates for Fine Arts must submit samples of original work; knowledge of the Danish language is desirable but not essential.

Finnish Government Scholarships 1978-79

Value: 900 to 1,000 marks per month (1 Finnish mark = \$0.27); free accommodation in Ministry's dormitory, travel, tuition, and medical care. **Number:** Three. **Duration:** Up to nine months beginning September 1978. **Conditions:** Applicants must be Canadian citizens whose first degree is from a Canadian university, who have a working knowledge of English, German, Finnish, or Swedish, and who have not followed a professional career for several years after the termination of their studies. The scholarship may not be held concurrently with other awards.

Federal Republic of Germany Academic Exchange Services Fellowships 1978-79

Field of study: Unrestricted except for pharmacy, medicine, and dentistry. **Value:** DM 750-1,000 per month (DM 1 = \$0.49); return travel; course fees, book allowance of DM 100 for each semester. **Number:** Eighteen. **Duration:** Ten months, commencing 1 October 1978. **Conditions:** Candidates may be no more than thirty-two years of age and possess a working knowledge of the German language. Applicants in the fine arts, music, and architecture must submit additional material—see notice in the Student Awards Office.

Iranian Government Scholarships 1978-79

Level of study: (a) Master's, (b) PhD. **Value:** Free tuition plus the cost of publishing a thesis; (a) 9,000 rials per month, (b) 10,000 rials per month; students not living in university quarters will receive an additional 5,000 rials per month (1 rial = \$0.013). **Number:** Five—total of (a) and (b). **Duration:** Ten to twelve months beginning September 1978. **Conditions:** A basic knowledge of Farsi (Persian language) would be advantageous. For category (b) a Master's degree is required.

Israeli Government Scholarships 1978-79

Where tenable: The Hebrew University, Jerusalem; Tel Aviv University; Bar-Ilan University; The Weizmann Institute of Science; Technion, the Israel Institute of Technology, Haifa. **Value:** Free tuition plus

1,700 Israeli pounds per month (1 Israeli pound = \$0.06). **Number:** Unspecified. **Duration:** Nine to twelve months. **Conditions:** Language of instruction is Hebrew. For research, English or French is required. Candidates may also be landed immigrants of at least one year's residency prior to the date of application.

Mexican Government Scholarships 1978-79

Field of study: All fields except medicine. **Value:** 3,600 pesos per month living expenses (1 peso = \$0.065); tuition and travel. **Number:** Five. **Duration:** One academic year. **Conditions:** First degree from a Canadian university; good knowledge of Spanish.

Netherlands Government Fellowships 1978-79

Field of study: Fine arts, music, social work. **Value:** 1,150 guilders per month; free tuition; 300 guilders allowance for books or study material (1 guilder = \$0.46); travel expenses within the Netherlands if required. **Number:** (a) Two for ten months, (b) two for five months. **Conditions:** Creative artists and musicians should have passed final examinations and have some experience in the field of their profession. Candidates in the field of social work should have several years of practice.

Netherlands Government Scholarships 1978-79

Value: 950 guilders per month living allowance; free tuition; 300 guilders installation costs (1 guilder = \$0.46); compensation for travel expenses within the Netherlands; emergency medical treatment. **Number:** Seven. **Duration:** Ten months. **Conditions:** Candidates in the field of fine arts must submit additional material—see notice in the Student Awards Office.

Norwegian Government Scholarships 1978-79

Where tenable: At the Universities of Oslo, Bergen, Trondheim, and Tromsø, as well as at the Norwegian Institute of Technology (Trondheim) and the College of Art and Science at Trondheim. **Field of study:** All, with preference to Norwegian subjects. **Value:** 2,000 kroner monthly with an installation allowance of 500 kroner (1 Norwegian kroner = \$0.20); international return travel and travel in Norway essential to study. **Number:** Undetermined. **Duration:** Nine months from 1 September 1978.

Swiss University Scholarships 1978-79

Value: SFr. 800 per month for graduates and SFr. 950 for post-graduates (SFr. 1 = \$0.49); return fare; tuition fees; health and accident insurance; some books.

Number: Six. **Duration:** Ten months. **Conditions:** A good knowledge of French or German is required, depending on the university to be attended. Candidates in fine arts and music should submit extra documentation—see notice in the Student Awards Office. No accommodation for candidate's family due to a shortage of accommodation in Swiss cities.

Belgian Goverment Fellowships 1978-79

Where tenable: The Universities of Bruxelles, Ghent, Louvain, and Liege. Also at the Royal Academy of Fine Arts, Royal Conservatory of Music, National Institute and Royal Academy of Fine Arts University Centre, and the Superior National Institute of Architecture and Urbanism. **Value:** Depends on the nature of the studies and degrees and qualifications held by the candidate. For Study Awards, 10,000 Belgian francs monthly. Research Awards, 12,000 Belgian francs monthly (1 Belgian franc = \$0.03); travel expenses; fees; books and materials; insurance. **Number:** Five (Canada). **Duration:** One academic year for Study Awards; one to six months for Research Awards. **Conditions:** Practical knowledge of French or German or English for other work. No age limit for Research Awards.

Canada-Hungary Exchange Scholarships 1978-79

Value: For post-graduate studies (a) 3,500 forints per month; for research (b) 5,000 forints per month (1 forint = \$0.025); free accommodations; study- or research-related travel within Hungary; free tuition;

ree medical, dental, and hospital services; return economy air fare and two-thirds such travel for spouse. **Number:** Three—total of categories (a) and (b). **Duration:** Ten to twelve months beginning in September 1978. **Conditions:** Knowledge of the Hungarian language is not essential, except for studies related to Hungarian literature, linguistics, etc. See notice in the Student Awards Office for further information.

Canada-Poland Exchange Scholarships 1978-79

Value: 2,400 zlotys per month for post-graduate studies
a) 3,400 zlotys per month for research (b) up to a maximum of 5,000 zlotys per month for housing 1 zloty = \$0.0065); free tuition; free study or research-related travel within Poland; free medical, dental, and hospital services; return economy air fare. **Number:** Three. **Duration:** Ten to twelve months beginning in September 1978. **Conditions:** For further information see notice in Student Awards Office.

Canada-USSR Exchange Scholarships 1978-79

Value: Free tuition; 180 roubles per month living allowance (1 rouble = \$0.26); accommodation; medical, dental, and hospital services. **Number:** Eleven. **Duration:** Ten months beginning August 1978. **Conditions:** Working knowledge of one of the languages of the USSR. **Note:** A detailed study or research proposal is encouraged since the judgment of the pre-selection committee will be based, in part, on the candidate's future plans.

Canada-Yugoslavia Exchange Scholarships 1978-79

Value: For post-graduate studies (a) 3,300 to 3,700 dinars per month; for research (b) 3,500 to 4,000 dinars per month; 1,000 dinars book allowance or 1,500 dinars depending on whether or not the award holder stays for less or more than six months (1 dinar = \$0.05); free tuition; free study- or research-related travel within Yugoslavia; free medical, dental, and hospital services. **Number:** Three. **Duration:** Ten to twelve months beginning in October 1978.

POSITIONS VACANT

ACADEMIC POSITIONS

Senior Radiation Chemist

Dr. W.W. Cross Cancer Institute

The Dr. W.W. Cross Cancer Institute has an opening for a Senior Radiation Chemist. The incumbent will be expected to undertake independent research within a new radiobiology program and to interact with radiobiologists and radio oncologists who have specific interests in the fields of hypoxic-cell sensitizers and high-LET radiation.

Candidates should have a PhD in chemistry, biochemistry, or biophysics with several years experience in the field of radiation chemistry as applied to radiobiology.

The salary will be commensurate with education and experience. Apply in confidence to: Dr. J.D. Chapman, Chief of Radiobiology, Dr. W.W. Cross Cancer Institute, 11560 University Avenue, Edmonton, Alberta T6G 1Z2.

NON-ACADEMIC POSITIONS

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, third floor SUB, telephone 432-5201. Please do not contact the department directly. Positions available as of 21 October.

Clerk Typist II (\$644-\$751)—Faculty of Graduate Studies and Research

Clerk Typist III (\$348-\$421.50, trust, term, half-time)—English

Clerk Typist III (\$696-\$843)—Provincial Laboratory; Civil Engineering
Senior Clerk (\$696-\$843)—Immunology; Administrative Services
Clerk Steno II (\$644-\$779)—Faculty of Business Administration and Commerce; Faculty of Extension
Clerk Steno III (\$360.50-\$438.50, half-time)—Pathology
Clerk Steno III (\$721-\$877)—Collège St-Jean; Physiology; Educational Psychology; Chemistry (two positions)
Library Clerk II (\$644-\$779)—Legal Resource Centre
Data Entry Operator I (\$721-\$877)—Computing Services; Bookstore
Accounts Clerk II (\$751-\$914)—Office of the Comptroller
Student Records Processing Clerk (\$571-\$914)—Faculty of Education, Student Records Office; Faculty of Arts
Medical Steno (\$779-\$952)—Surgery
Secretary (\$811-\$994)—Clinical Dental Sciences; Entomology; Faculty of Nursing; Faculty of Business Administration and Commerce
Office Services Supervisor (\$994-\$1,224)—Office of the Comptroller
Typographical Trainee (\$644-\$751)—Duplicating
Computer Assistant I (\$644-\$779)—Computing Services (two positions)
Biochemistry Technician I (\$843-\$1,034, term)—Psychiatry
Internal Audit Technician (\$843-\$1,034)—Office of the Comptroller
Research and Planning Analyst II (\$843-\$1,034, term)—Institutional Research and Planning
Dental Technician I (\$877-\$1,078)—Faculty of Dentistry
Electronics Technician I/II (\$877-\$1,224)—Electrical Engineering (two positions)
Technician I/III (\$877-\$1,393, trust)—Physics
Technician II (\$952-\$1,173)—Pathology
Programmer Analyst I/Electronics Technician (\$952-\$1,173, term, trust)—Physiology
Instrument Technician II/III (\$994-\$1,393)—Pharmacy
Editorial Assistant (\$1,034-\$1,278, term, trust)—The University of Alberta Press
Dental Hygienist (\$1,034-\$1,278, term)—University Health Service
Biochemistry Technologist II (\$1,078-\$1,335, trust)—Cancer Research Unit
Dental Equipment Repair Technician (\$1,078-\$1,335)—Faculty of Dentistry
Machinist Technician II (\$1,078-\$1,335)—Technical Services
Graphics Technician III (\$1,078-\$1,335)—Technical Services, Graphics Division
Television Producer (\$1,224-\$1,520)—Radio and Television
Programmer Analyst III/IV (\$1,335-\$1,985)—Office of Administrative Systems

The following is a list of currently available positions in the University of Alberta Libraries. The bulletin board postings in the Library Personnel Office, 516 Cameron Library, should be consulted for further information about position requirements and availability.

Library Clerk III (\$696-\$843)—Cataloguing, Corrections
Library Assistant I (\$751-\$914)—Cataloguing, Corrections

PERSONAL NOTICES

All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance.

We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.

Accommodations available

For sale—river view acre, located in prestigious Windermere Estates, only ten minutes from city. This building site is ideal for architect-designed home; power, gas, telephone to the property line. Asking only \$76,500. Jeanne Eid 434-5780, residence; Distacom 426-5880, 837, or 436-5250, business; Spencer Realty. For rent—1 January 1978 - 30 June 1978 with occupancy from 20 December. Three-bedroom bungalow with study, two bathrooms, TV room with fireplace, finished basement. Belgravia, one mile from the University and one block from Saskatchewan Drive. Rent \$500 monthly. 436-2079. For rent—beautiful four-bedroom contemporary home. Telephone 458-2535 after six o'clock.

Luxury two-bedroom condominium in Kihei, Maui; available from 1 April; \$35 per night for four. 478-6077; 475-7762

For rent—furnished modern country home; wooded lakefront acreage, open-beam cedar, three bedrooms, 1½ baths, fireplace, sliding doors to sundeck, appliances, electric garage; thirty-five minutes to campus on hardtop. Available for year from 1 January. \$500. 922-3644.

For rent—two-bedroom furnished condominium; appliances, carport, usable basement. Available December and January. Write with return address: Box 184, University Post Office.

Just listed—Windsor Park bungalow; 1,348 square feet, two fireplaces, patio doors to enclosed patio; choice location; finished lower level; garage. Doreen Venn, Royal Trust. Residence, 434-8803; office, 435-4869.

For sale—Pigeon Lake: three beautiful properties: one lake-front cabin and two winterized residences; all services, near lake access. Telephone Reina Proudfoot, 435-4869; 436-2556. Royal Trust.

For sale—by owner. New three-bedroom bungalow, 1½ baths. Ermineskin (southwest Edmonton). Fireplace, landscaped, fenced. \$81,500. Telephone 434-3138. Principals only.

For sale—three houses: custom-built five-bedroom Tudor home, family room, wonderful kitchen, double garage; gracious older Glenora house, three bedrooms, living room fireplace, separate dining room, new kitchen, two bathrooms; Mill Creek ravine two-storey home, fireplace in living room, new furnace, double garage; revenue possibilities. R. Richter, 488-6930; 455-4135. Weber Bros. Realty.

For mature tidy couple—central two-bedroom house, full basement, beautiful backyard, location. No pets. 469-9014.

Londonderry—professional woman has townhouse to share with same. \$225 (utilities included). 475-2556.

For rent—January 1978 - August. Furnished four-bedroom house, three baths, rumpus room; beautiful acreage near Sherwood Park—half hour to University. No pets. References. Telephone 432-4473 daytime.

For rent—four-bedroom house; Malmo, furnished; all schools within ten-minute walk; near Southgate, regular bus to University. Available 1 January 1978 to August, September 1978. Two cats in residence. Rent \$500 monthly. Telephone 434-5603 evenings.

Automobiles and accessories

1971 Buick LeSabre two-door hardtop, power steering, power brakes, tilt wheel, airconditioned. Good condition. \$1,550. 434-9189.

1974 Vega wagon; automatic, excellent condition. \$1,600. 455-4613.

Goods and services

Plumbing—for estimates on basement bathrooms, repairs, gasfitting, etc., call 465-7079.

Babies—three- to nine-months-old volunteers needed for a short observation of early learning.

Dr. Cornell, 432-5216.

Quality interior home painting. Licensed, bonded. Reasonable. 436-2988 or 432-7064. Expert typing of theses. Telephone 455-0641. Typing—theses, etc., Mrs. Empey; 456-1886. Interested in having your garden tilled now instead of waiting till spring-time rush? Telephone Jerry; 439-3531 after 5 p.m. Nordic Home Services—qualified in all aspects of home design, renovations, repair, and maintenance. Telephone 437-1421 evenings. Reduced fare to Tokyo, Taipei, Hong Kong. Telephone 475-1109. Handyman carpentry service. Telephone John 434-9709 evenings.

Kelvinator washer, \$125; Inglis gas dryer, \$125. Good condition. Round walnut dining-room table, 48 inches, two leaves, four matching chairs, excellent condition, \$500. Saxophone, E flat, alto, reconditioned, \$200. 487-6206. Do you want your trees pruned, or garden tidied? Telephone 439-3531. Typing—extensive secretarial experience. 435-0046. Goderich pump-organ *circa* 1920, completely restored. 458-7762 after six. Rich-tone full-size upright piano. 436-1879. Westinghouse deluxe humidifier, \$50; Morlands man's sheepskin coat, large, \$150; man's skates, boots (size 10), \$8. 433-5681.

Antique pendulum clock, \$160; six-foot kitchen counter, double stainless steel sink, faucets, \$125; Miami Carey deluxe stove hood/fan, \$100; Victoria iron fireplace basket, \$75; antique brass bunks, \$325. 454-7545.

Experienced typist. Variety of type styles and symbol Quality work. 435-4407.

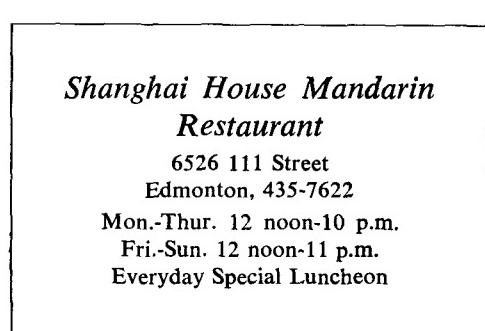
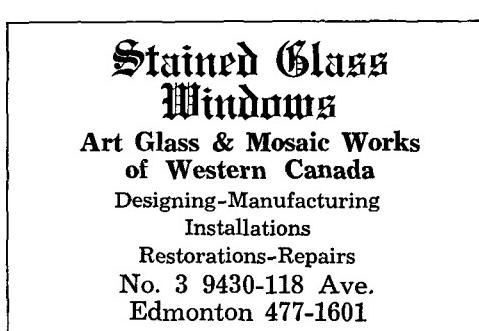
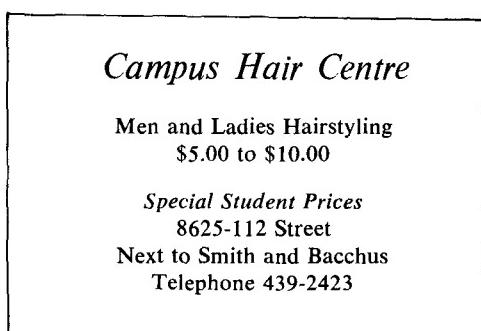
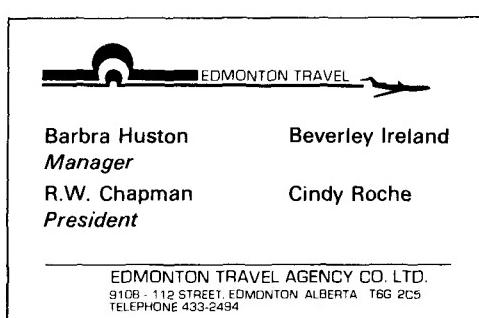
188 cm. Head skis, Marker bindings; man's Lange boots, 9½. 432-0574. Silvertone stereophonic radio-phono (cabinet), Garrard model 1025 auto turntable. \$100. Telephone 488-251 evenings.

Two Mothercare car safety harnesses for child, 40-80 pounds. Not for hatchbacks. 467-3191.

Siamese kittens for sale—seal, tortoise shell, and red point. 434-7700; 432-5585.

Smith Corona portable electric typewriter with return carriage, \$125. 455-4613.

For sale—beautiful traditional oak living room furniture, handcrafted in Germany. Full wall unit, including integral leaded glass china cabinet. Matching upholstered sofa, settee, chair. Heavy oak coffee table. Excellent condition, practically new. Owner must return to Germany, forced to sell. Telephone 462-1716.



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